

Recombinant Human CSNK1E Protein (17-231 aa), GST-tagged

Cat. No. CSNK1E-1183H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CSNK1E Protein (17-231 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	17-231 aa
Description	Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. Can phosphorylate a large number of proteins. Participates in Wnt signaling. Phosphorylates DVL1. Central component of the circadian clock. In balance with PP1, determines the circadian period length, through the regulation of the speed and rhythmicity of PER1 and PER2 phosphorylation. Controls PER1 and PER2 nuclear transport and degradation. Inhibits cytokine-induced granulocytic differentiation.
Form	Tris-based buffer,50% glycerol
Molecular Mass	51.5 kDa
AA Sequence	SGSFGDIYLGANIASGEEVAIKLECVKTKHPQLHIESKFYKMMQGGVGVIPSIKWCGAE GDYNVMVMELLGPSLEDLNFCSRKFSLKTVLLADQMISRIEYIHSKNFIHRDVKPD NFLMGLGKKGNLVYIIDFGLAKKYRDARTHQHIPPYRENKNLTGTARYASINTHLGIEQ

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SRRDDLESGLGYVLMYFNLGSLPWQGLKAATKRQKYERISEK

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name CSNK1E casein kinase 1, epsilon [Homo sapiens]

Official Symbol CSNK1E

Synonyms CSNK1E; CKIE; CKIepsilon; HCKIE; CKIe; CKI-epsilon; MGC10398;

Gene ID 1454

mRNA Refseq NM_001894

Protein Refseq NP_001885

MIM 600863

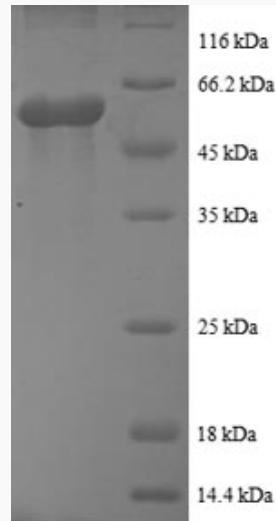
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UniProt ID

P49674



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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